UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

DATE: MAY 18,1999

MEMORANDUM

SUBJECT: **METHAMIDOPHOS:** Review of 21-Day Dermal Toxicity in Rats (MRID No. 44525301 and Addendum to MRID No. 44525301)/Short- and Intermediate-Term Dermal Risk Assessments

TO: Pauline Wagner, Chair
Hazard Identification Assessment Review Committee
Health Effects Division (7509C)

Jess Rowland, Co-Chair
Hazard Identification Assessment Review Committee
Health Effects Division (7509C)

Felicia Fort, Risk Assessor
Registration Action Branch
Health Effects Division (7509C)

and

Kimberly Lowe, PM Team Reviewer
Special Review and Reregistration Division (7508W)

FROM: Nancy E. McCarroll
Toxicology Branch 1
Health Effects Division (7509C)

THRU: Alberto Protzel, Ph.D.
Branch Senior Scientist
Toxicology Branch 1
Health Effects Division (7509C)

cc: Catherine Joseph, Health Effects Division (7509C)

Registrant: Bayer
Chemical: Methamidophos
DP Barcode: D245164 PC Code: 101201

ACTION: Review the 21-Day Dermal Toxicity Study in Rats.

February 3, 2000

SUMMARY: On May 12-14, 1998, the Health Effects Division's Hazard Identification Assessment Review Committee (HIARC) selected the dermal NOEL of 1.0 mg/kg/day for Methamidophos based on plasma, red blood cell and brain cholinesterase inhibition for the Short-and Intermediate-Term dermal risk assessments (see HED document No. 012921). Since that meeting, the Registrant has submitted a supplemental report to the 21-day dermal toxicity study in rats (Addendum to MRID No. 44525301). Based on the information presented in the supplemental report, the doses used in this study (1, 15 or 50 mg/kg/day), when corrected for actual concentration of the active ingredient were 0.749, 11.2 or 36.5 mg/kg/day, respectively. The corrected dose levels should be used for risk assessment purposes.

Presented below are the Citation and Executive Summary for the reviewed study (MRID No. 44525301); the Data Evaluation Report is attached. The findings of this study in conjunction with the supplemental information submitted by the registrant are acceptable and satisfy the guideline requirement for a 21-day dermal study in the rat.

SignOff Date:	5/18/99
DP Barcode:	D245164
HED DOC Number:	013394
Toxicology Branch:	TOX1